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SECURITY INFORMATION
CENTRAL INTELLIGENCE AGENCY

REPORT

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1952 PRODUCTION PLANS OF THE GDR MINISTRY OF METALLURGY AND ORE MINING

I. 1952 PRODUCTION PLANS OF PLANTS OF THE FERROUS METALS INDUSTRY

"East" Metallurgical Complex

	Planned Output (1,000 tons)
Pig iron	440
Foundry pig iron	15
Steel pig	390
Spiegeleisen	35

Control Figures (Kennziffern)

	Unit	Plan
Utilization coefficient of blast furnaces	Cu m/ton/day	--
Coke consumption per ton of pig iron	Tons	1.16

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	Unit	Plan
Consumption of [illegible] and ferriferous admixtures per ton of pig iron	Tons	2.3
Scrap consumption per ton of pig iron	"	[illegible]

[illegible] from Wor[illegible] Maibe

	Planned Output (1,000 tons)
Foundry pig iron	70
Other construction materials, not specified (lib[illegible] cing sand)	

Control Fi[illegible]

	Unit	Plan
Melting ion (obligatory for blast furnace ag)	[illegible]/ton/day	--
Consumption of ores and ferriferous admixtures per ton of pig iron	Tons	2.[illegible]
Scrap consumption per ton of pig iron	Tons	[illegible]

Magnesite Plant, Unterwellenborn

	Planned Output (1,000 tons)
Electric power	[illegible] million kwh
Burnt dolomite	3.8
Pig iron	33[illegible]
Basic Bessemer pig iron	306
Foundry pig iron	45
Crude steel in ingot form	49[illegible]
Thomas steel	35[illegible]
Electric steel	[illegible]
Semifinished products made of standard steel for other rolling mills	17[illegible]

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	Planned Output (1,000 tons)
Rolled steel	165
Including :	
Semifinished products for forging and pressing plants	34
Semifinished standard-steel products for forging and pressing plants	27
Semifinished special or high-grade steel products for forging and pressing plants	-
Rolled sections	121
I and U sections up to NP 18	36
I and U sections [illegible]	[illegible]
Railroad-track material, including 25,000 tons of standard rails and 6,000 tons of rails for mines	31
Bar steel	14
Heavy plate	10
Forgings and drop-forgings made of steel	5.3
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

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Control Figures	Unit	Plan
Utilization coefficient of blast furnaces	Cu m/ton/day	1.45
Coke consumption per ton of pig iron	Tons	1.1
Consumption of ores and ferriferous admixtures per ton of pig iron	"	1.5
Scrap consumption per ton of pig iron	"	0.5
Pig-iron consumption per ton of Thomas steel in ingot form	"	1.2
Yield of finished rolled steel from ingots	Percent	83
Yield of semifinished steel products from ingots	"	[illegible]

Brandenburg Steel and Rolling Mill

	Planned Output (1,000 tons)
Siemens-Martin steel	480
Semifinished products made of standard steel for other rolling mills	20
Bar steel	20
Railroad-track material (standard rails)	4

Control Figures	Unit	Plan
Steel production per square meter of hearth area of Siemens-Martin furnaces	Tons/sq m/day	3.43
Operating ratio (Zeitgrad) /percent of time in use/ of Siemens-Martin furnaces	Percent	86
Pig-iron consumption per ton of Siemens-Martin steel	Tons	0.20
Yield of finished rolled steel from ingots	Percent	83

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"W. Florin" Steel and Rolling Mill, Hennigsdorf

	Planned Output (1,000 tons)
Crude steel in ingot form	205
Siemens-Martin steel	195
Electric steel	10
Semifinished standard-steel products for other rolling mills	50
Rolled steel, including standard steel for forging and pressing plants	185
Including:	
Semifinished products for forging and pressing plants	24
Semifinished standard-steel products for forging and pressing plants	[illegible]
Semifinished high-grade steel products for forging and pressing plants	3
Rolled sections	161
I and U sections up to NP 18	3
Railroad-track material (rails for mines only)	6
Bar steel (including 24,000 tons of thin bar steel less than 30 millimeters in thickness)	122
[illegible]	[illegible]
Cast-steel roll	[illegible]
Cast iron	[illegible]
Siemens-Martin cast steel	[illegible]

Comparative Figures

	Unit	Plan
Steel production per square meter of hearth area of Siemens-Martin furnaces	Tons/sq m/ [illegible]	[illegible]
Operating ratio of Siemens-Martin furnaces	Percent	92

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	Unit	Plan
Pig iron consumption per ton of Siemens-Martin steel	Tons	0.26
Yield of finished rolled steel from ingots	Percent	
Yield of semifinished products from ingots	Percent	85
Good steel castings per square meter of mold surface	Tons/yr	3.5
Ratio of good steel castings to cold raw material used	Percent	51
Ratio of rejects to good steel castings	"	5.2
Ratio of good cast iron to raw material used	"	8
Ratio of rejects to smelted cast iron		4

Groeditz Steel and Rolling Mill

	Planned Output (1,000 tons)
Siemens-Martin steel	141
Tire steel	30
Other fittings	1.8
Cast iron	31
Malleable cast iron	3
Steel castings	8
Electric-steel castings	2
Siemens-Martin steel castings	6
Steel forgings	11.1
Nonferrous-metal shaped castings (red brass)	0.02
Synthetic iron admixtures	0.5
Oxygen	0.34

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Control Figures

	Unit	Plan
Steel production per square meter of hearth area of Siemens-Martin furnaces	Tons/sq m/day	4.[illegible]
Operating ratio of Siemens-Martin furnaces	Percent	86
Fuel consumption per ton of Siemens-Martin steel	Tons	0.86
Yield of finished rolled steel from ingots	Percent	79
Good steel castings per square meter of mold surface	Tons/yr	3.5
Ratio of good steel castings to cold raw material used	Percent	54
Ratio of rejects to good steel castings	"	4.5
Ratio of good cast iron to raw material used	"	85
Ratio of rejects to smelted cast iron	"	7.0

Riesa Steel and Rolling Mill

	Planned Output (1,000 tons)
Crude steel in ingot form	440
Siemens-Martin steel	430
Electric steel	10
Semifinished standard-steel products for other rolling mills	75
Rolled steel	249
Including semifinished standard-steel products for forging and pressing plants	36
Rolled sections	170
[illegible] U sections to NP 18	36
Bar steel (10 mm and above in diameter), including 30,000 tons of thin bar steel less than 10 mm thick)	27
[illegible] steel (including skelp)	57

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	Planned Output (1,000 tons)
Seamless tubes, hot-rolled, cold drawn	34
Welded tubes	22
Structural steel	8.200
Steel containers	2.875
Pipelines	2.500
Steel castings	12
Electric-steel castings	2
Siemens-Martin steel castings	10
Acetylene gas	[illegible]

Control Figures

	Unit	Plan
Steel production per square meter of hearth area of Siemens-Martin furnaces	Tons/sq m/day	4.05
Operating ratio of Siemens-Martin furnaces	Percent	86
Pig-iron consumption per ton of Siemens-Martin steel	Tons	[illegible]
Yield of finished rolled steel from ingots	Percent	[illegible]
Yield of semifinished products from ingots	Percent	90
Good steel castings per square meter of mold surface	Tons/yr	3.5
Ratio of good steel castings to cold raw material used	Percent	51
Ratio of rejects to good steel castings	Percent	5.4

Kirchmoeser Steel and Rolling Mill

	Planned Output (1,000 tons)
Rolled steel, hot-rolled, and semifinished products for forging and pressing plants	108
Rolled sections	36

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	Planned Output (1,000 tons)
Bar steel (less than 30 mm thick)	24
Rolled wire	12
Heavy plate	72

Burg Steel and Rolling Mill

	Planned Output (1,000 tons)
Rolled steel, hot-rolled, and semifinished products for forging and pressing plants	18
Dynamo sheet iron	5
Transformer sheet	2
Other thin sheet	11

Auerhammer Plant

	Planned Output (1,000 tons)
Rolled steel, hot-rolled, and semifinished products for forging and pressing plants	18
Rolled plate	18
Heavy plate	4
Medium sheet	13.640
Thin sheet (corrosion-proof)	2.360
Brass and tombac	0.790
Bronze and red brass	0.140
German silver	0.240
Rolling-mill products made of nonferrous metals	0.760
Other rolling-mill products made of brass	0.3
Rolling-mill products made of bronze	0.110
Bronze wire	0.050
Other rolling-mill products made of bronze	0.060

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	Planned Output (1,000 tons)
Rolling-mill products made of nickel	0.056
Including Constantin wire	0.016
Other rolling-mill products made of nickel	0.40
Other rolling-mill products made of nonferrous metals	0.300
Other metallurgical products	--
Strips made of chromium and other heavy metals	0.020
Nickel for rolling-mill products	0.19[illegible]
Drawn wire, 100 kg and over in tensile strength	0.015
Welding wire	0.[illegible]

Control Figures

	Unit	Plan
Yield of finished rolled steel from semifinished products	Percent	89

Oberhausen Plant

	Planned Output (1,000 tons)
Rolled steel, hot-rolled, and semifinished products for forging and pressing plants	2[illegible]
Rolled plate	21
Medium sheet	4.6
Thin sheet	16.4
Dynamo sheet iron	10
Transformer sheet	3
Other thin sheet	3.4

Control Figures

	Unit	Plan
Yield of finished rolled steel from semifinished products	Percent	77

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Chemnitz Plant

	Planned Output (1,000 tons)
Cold-rolled products	4
Material for plumbing installations	--
Cold-drawn tubes	2.850

Oranienburg Plant

	Planned Output (1,000 tons)
Cold-rolled products	2.4

Delitzsch Plant

	Planned Output (1,000 tons)
Drawn steel bars	14

Brotterode Plant

	Planned Output (1,000 tons)
Drawn steel bars	7
Drawn wire, under 100 kg in tensile strength	1.7
Core wire for electrodes	0.300

Lugau Plant

	Planned Output (1,000 tons)
Drawn steel bars	20

Berlin Plant

	Planned Output (1,000 tons)
Drawn steel bars	9

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Quedlinburg Plant

	Planned Output (1,000 tons)
Cast-iron rolls (machined)	2.5
Cast iron	4

Control Figures

	Unit	Plan
Ratio of good cast iron to raw material used	Percent	66
Ratio of rejects to smelted cast iron	Percent	8.6

"Michael Niederkirchner" Copper and Plate-Rolling Mill, Ilsenburg/Harz

	Planned Output (1,000 tons)
Heavy plate	45
Refined and electrolytic copper	9.6
Ferrous-metal forgings and drop-forgings	0.6

Control Figures

	Unit	Plan
Yield of finished rolled steel from ingots	Percent	72
Yield of finished rolled steel from semifinished products	Percent	83

Doehlen High-Grade-Steel Plant

	Planned Output (1,000 tons)
Siemens-Martin steel in ingot form	19
Electric-steel ingots	25
Semifinished products made of special and high-grade steel for other rolling mills	5
Siemens-Martin cast steel	3.5
Steel forgings	4

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Control Figures

	Unit	Plan
Steel production per square meter of hearth area of Siemens-Martin furnaces	Tons/sq m/day	3.8
Operating ratio of Siemens-Martin furnaces	Percent	86
Pig-iron consumption per ton of Siemens-Martin steel	Tons	0.26
Good steel castings per square meter of mold surface	Tons/yr	3.5
Ratio of good steel castings to cold raw material used	Percent	51
Ratio of rejects to good steel castings	Percent	5.2

Salzungen Plant

	Planned Output
Electric power	0.500 [million?] kw-h
Small metal products	--
Cold-rolled products	4,000 tons
Trunk fittings, etc.	2,300,000 DM (Deutsche marks)

Finow Plant

	Planned Output (1,000 tons)
Rolled steel, hot-rolled, and semifinished products for forging and pressing plants	32
Rolled sections	32
Bar steel (including 24,000 tons of thin bar steel less than 30 mm thick)	32
Horseshoes	3,000,000 DM

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Control Figures

	Unit	Plan
Yield of finished rolled steel from semifinished products	Percent	90

II. 1952 PRODUCTION PLANS OF PLANTS OF THE NONFERROUS METALS INDUSTRY

Lippendorf Ferroalloy Plant

	Planned Output (1,000 tons)
Ferroalloys	38
Ferrosilicon	14
Ferromanganese	20
Ferrochrome	[illegible]
Other stones and earths, not specified	25.4

Spremberg Ferroalloy Plant

	Planned Output (1,000 tons)
Ferroalloys	15.5
Ferrosilicon	15
Other ferroalloys	0.5

Muckenberg Ferroalloy Plant

	Planned Output (1,000 tons)
Ferroalloys	8.5
Ferrosilicon, 45-percent base	8.5

Coswig Roll-Casting Plant

	Planned Output (1,000 tons)
Cast-iron rolls (machined)	5.5
Cast iron	10

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Control Figures

	Unit	Plan
Ratio of good cast iron to raw material used	Percent	66
Ratio of rejects to smelted cast iron	Percent	6.6

Berlin Metal-Casting and Semifinished Products Plant

Planned Output

Nonferrous metals in ingot form	5,931,000 DM
Including:	(1,000 tons)
Refined and electrolytic copper and remelted copper	3.3
Refined and electrolytic lead	[illegible]
Remelted zinc and zinc alloys	1.090
Nonferrous-metal alloys in ingot form	9,438,000 DM
Including:	(1,000 tons)
Brass and tombac	2.0
Bronze and red brass	2.270
Type metal	0.250
Other copper alloys	3.38[illegible]
Wirebars	6
Rolling-mill products made of nonferrous metals	5.490 [5,000 tons]
Rolling-mill products made of copper	2.650
Copper tubes	7 [sic; should be .700]
Copper bars and sections	.550
Other rolling-mill products made of copper	1.400
Rolling-mill products made of brass	1.890
Brass tubing	0.565
Brass bars and sections	0.700
Other rolling-mill products made of brass	0.625

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Planned Output

Rolling-mill products made of aluminum	0.550
Aluminum sheet and strip	0.300
Other aluminum rolling-mill products	0.250
Rolling-mill products made of zinc	0.400
Other metallurgical products (wire disks [Drahtscheiben] made of phosphor bronze)	0.210
Metal bearings	About 136 [tons]
Nonferrous-metal shaped castings	0.329

"Wilhelm Pieck" Mansfeld Combine, Eisleben

Planned Output

Electric power	0.187 million kw-h
Mining operations, total	33,165,000 DM
Ore output	27,600,000 DM
(Copper ore	1,200,000 tons)
Auxiliary mining operations	5,565,000 DM
Including preparatory operations in the mines	53 [unit not indicated]
Refined and electrolytic copper	14,400 tons
Refined and electrolytic lead	3,600 "
Selenium	5 "
Wirebars	12,000 "
Precious metals	71.105 [tons]
Gold	0.025 "
Silver	71 "
Rhenium	0.080 "

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Planned Output

Cast iron	1,000 tons
Nonferrous-metal shaped castings	20 tons
Chemical products, total	3,641,000 DM
Including:	
Sulfuric acid	24,900 tons
Inorganic nickel compounds	320 "
Red lead	150 "
Zinc oxide	3,200 tons
White vitriol	3,400 "
Other inorganic basic chemicals	762,000 DM
Construction materials, total	1,389,000 DM
Including:	
Bricks made of blast-furnace slag	34,000 bricks
Other building materials, not specified	30 [unit not specified]
Other fire-clay products	3,600 tons
Silica products	1,400 "
Wood processing, total	265,000 DM
Including:	
Coniferous wood, sawn	4,000 [unit not specified]
Deciduous wood, sawn	150 [unit not specified]

Control Figures

	Unit	Plan
Yield of electrolytic and refined copper from ore	Percent	86
Yield of electrolytic and refined lead from copper ore	Percent	0.2
Coke consumption per ton of smelted copper ore	Tons	0.25

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	Unit	Plan
Ratio of good cast iron to raw material used	Percent	66
Ratio of rejects to smelted cast iron	"	
Coniferous wood, saws [sic]	"	71

Rostov Light-Metals Plant

Planned Output

Nonferrous-metal ingots	5,723,000 D[illegible]
Including:	(1,000 tons)
Aluminum and alloys made of remelted metal	3.7
Titanium and alloys	
Rolling-mill products made of nonferrous metals	[illegible]
Rolling-mill products made of bronze	0.[illegible]9
Rolling-mill products made of aluminum	1.[illegible]3
Aluminum plate and sheet	0.67[illegible]
Other aluminum rolling-mill products	0.7[illegible]3
Other metallurgical products	[illegible]00
[illegible] for equipment for the food and beverage industry	1[illegible] [illegible]on r[illegible]
Cast forgings (nonferrous-metal sheet castings)	1.1
Other metal consumers' goods	(1,[illegible]) [illegible]on r[illegible]
Other products of the wood industry	1

Moscow Plant

	Planned Output (tons)
Aluminum made from remelted aluminum alloys	[illegible]
[illegible]nte[illegible] [illegible]ority	[illegible].0

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	Planned Output (tons)
Other aluminum rolling-mill products	300
Small metal products (aluminum disks)	600

Muldenhuetten Foundry

	Planned Output (tons)
Refined and electrolytic lead	8,000
Arsenic metal	10
Refined silver	2,000 kg
Hard lead	600
Sulfuric acid	2,800
Arsenic powder (Arsenmehl)	60
Liquid slag binder	200
Standard fire clay and firebricks	4,850
Other fire-clay products	150

Halsbruecke Foundry

	Planned Output
Electric power at plant-owned power station	3.7 million kw-h
Refined and electrolytic lead	5,000 tons
Bismuth	5 "
Rolling-mill products made of lead	6,000 "
Platinum (including 5 kg of reprocessed platinum)	8 kg
Gold (including 150 kg of reprocessed gold)	190 "
Silver (including 30,000 kg of reprocessed silver)	38,000 "
Semifinished articles made of gold and silver	16,240 "

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Planned Output

Pumps (centrifugal pumps)	20 units
Ventilators	8 units
Containers	200 tons
Fittings made of other nonferrous metal	20 "
Nonferrous-metal shaped castings	100 "
Rivets (contact rivets made of high-grade metal); production on contract basis	560 kg
Sulfuric acid	5,300 tons of SO_3
Copper sulfate	6,000 tons
Silver salt (production on contract basis)	40,000 kg

Control Figures

	Unit	Plan
Yield of electrolytic and refined lead from the concentrate	Percent	91.4

Freiberg Tin-Smelting Plant

	Planned Output (Tons)
Crude tin	405
Bearing metal on lead and tin basis	360
Soft solder (tin solder)	190
Other construction materials, not specified (slag wool)	5 ?

Control Figures

	Unit	Plan
Yield of crude tin from concentrate	Percent	83

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Leipzig Metal Foundry

	Planned Output (tons)
Zinc and zinc alloys from remelted metal	1,100
Bearing metal on lead and tin basis	30

Aue Nickel-Smelting Plant

	Planned Output (tons)
Electric power at plant-owned power station	1.1 million kw-h
Steam (for outside delivery only)	10,000
Nickel	[illegible]
Inorganic nickel compounds (nickel sulfate)	20
Sodium arsenate	150
Insecticides	2,285

III. 1952 PRODUCTION PLANS OF PLANTS OF THE ORE-MINING INDUSTRY

Schmalkalden Ferromanganese Ore Mines

	Planned Output (1,000 tons)
Iron ore	100
Fluorite	9
Barite	1.2
Preparatory work	0.470 [1,000 meters]

Harz Iron Ore Mines

	Planned Output (1,000 tons)
Iron ore	320
Ferriferous limestone	20
Preparatory work	1.9 [1,000 meters]

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Badeleben Lias and Bog Iron Ore Mines

	Planned Output (1,000 tons)
Iron ore	150

Saalfeld Iron Ore Mines

	Planned Output (1,000 tons)
Iron ore	180
Ferriferous limestone	194
Preparatory work (1,000 meters)	2.24

Wuenschendorf Dolomite Plant

	Planned Output (1,000 tons)
Crude dolomite	177
Burnt dolomite	75
Crude limestone in lumps	23
Quicklime for construction and other purposes	15

Altenberg Tin Ore Mines

	Planned Output
Tin-ore concentrate	232 tons Sn content
Auxiliary mining operations /preparatory work/	755 meters

Ehrenfriedersdorf Mines

	Planned Output
Tin-ore concentrate	120 tons Sn content
Arsenic concentrate	250 tons As content
Wolframite concentrate	113 tons WO_3 content
Auxiliary mining operations	2,700 meters

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Albert Funk Lead Ore Mines

	Planned Output
Lead-ore concentrate	3,850 tons Pb content
Zinc-ore concentrate	2,510 tons Zn content
Pyrite	6,200 tons
Auxiliary mining operations	9,800 meters

Control Figures

	Unit	Plan
Lead concentrate yield from the ore	Percent	87.5

Callenberg Nickel Ore Mines

	Planned Output
Nickel ore	3,500 tons

Zschorlau Tungsten and Tin Ore Mines

	Planned Output
Tin-ore concentrate	18 tons Sn content
Wolframite concentrate	310 tons WO_3 content
Auxiliary mining operations	4,200 meters

Oberboehmsdorf Mine

	Planned Output
Antimony-ore concentrate	125 tons Sb content
Auxiliary mining operations	400 meters
Antimony	112 tons

DHZ (German Trade Center) for Metallurgy

	Planned Output (1,000 tons)
Spare parts for repair of equipment for the coal industry	0.200
Contract work for iron and metal goods	--

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